



Ultra-Mobile Live and File-based HD/SD
Solution for Broadcast and Broadband Video

AVENIR MINI WITH LDMP TECHNOLOGY

Target Markets and Applications

Live newsgathering • Streaming to the web and mobile devices • Satellite video transport • Emergency response • Armed forces operations
Mobile command centers • Online and distance learning • Law enforcement • Point-to-point and point-to-multipoint video distribution



Avenir Mini is a small camera-mountable or side-pouch mobile encoder designed for maximum mobility, usability, and performance.

The Full HD/SD capable Avenir Mini delivers broadcast quality video using low bandwidth wireless 3G/4G/LTE/BGAN networks. Avenir Mini is the smallest Streambox hardware-based mobile encoder, weighing 4 pounds, measuring 5.5 inches wide, 2.5 inches tall, and 7.5 inches long. The small lightweight encoder can attach to the back of a battery on any professional video camera or be used in a custom designed pouch that can be looped through a belt. Avenir Mini has SDI and HDMI inputs and bonds up to four integrated wireless cellular modems and two external USB cellular modems or connects to the Streambox Signal Extender to stream high quality video enabling live or file-based acquisition from anywhere over a variety of low data rate networks.

AVENIR MINI SOLUTION FEATURES

- Includes 4 embedded 3G/4G/LTE Modems
- Encoding Bitrate: HD/SD from 64Kbps-35Mbps
- End-to-End latency: 1.5-2 seconds
- Boot up time less than 2 minutes
- Easy to use LCD touch screen with one-click automation, which utilizes Streambox LDMP technology that automatically selects the best possible presets for the user in the field
- HD-SDI & HDMI inputs
- One-step plug-in to Signal Extender
- Record files for Store and Forward
- Powered by Low Delay Multi-Path (LDMP) networking technology, a reliable protocol that sends professional quality video over public internet connections at low data rates without using bandwidth-consuming Forward Error Correction (FEC)
- IFB connection for live communication over a back channel
- Over 1 hour of HD streaming from one IDX battery
- Integrated high gain antenna array system
- Works directly with Streambox Decoders, Enterprise Server, and Streambox Live
- Remote management allows administrators to configure and manage Avenir Mini's presets from the control room, enabling a non-technical crew to operate in the field
- S&F Receiver (SFR) - A software upgrade that allows decoders to receive and store files directly from Avenir Mini

AVENIR MINI

AVENIR MINI TECHNICAL SPECIFICATIONS

Video Formats:	HD: 1080/23.98PsF, 1080i/59.94, 1080i/50, 720p/59.94, 720p/50 SD: (NTSC): 525i/59.94, (PAL): 576i/50
Video Encoding:	HD: 1920, 1440, 1280, 960x1080, 1280, 960, 800, 640x720, 1920x540 SD: 720, 528, 480, 352x480, 320x240, 720, 528, 480, 352x576, 320x288, 720x240, 720x288
Audio Encoding:	AAC, CELP, GSM 1/2/4/8 channels
Compression:	Streambox ACT-L3 Advanced Profile
Network Interfaces:	4x embedded 3G/4G/LTE modems and 2x external USB modems, 1x Gigabit Ethernet, 1x WiFi (802.11 a/b/g/n)
Antennas/RF:	High gain antenna array for 3G/4G/LTE, Dual-WiFi Antenna
Video In:	HD-SDI and HDMI-full size
Audio In:	Embedded SDI Audio, HDMI audio
Video Post Filtering:	Advanced Interlaced/progressive post filtering, including de-blocking, de-mosquito, and anti-aliasing
Metadata:	End-user selectable: Title, Reporter, Location, Group
IFB Audio Support:	3.5mm stereo
Color Profile:	4:2:0, 4:2:2
Forward Error Correction:	Reed-solomon, Parity, Shuffle; adjustable from 0 to 50%
Store and Forward:	Supports S&F Server, Live Server, Enterprise Server or Decoder SFR
User Interface:	Touch screen 2.4" LCD or remote via Web, iPhone, iPad or Android
Accessory:	AC adaptor, AREM (range extender) kit
Battery Life:	1-2 hrs (depending on battery type)
Storage:	Solid State Drive (SSD) 64 GB
Operation:	Automatic and Advanced; One Click Automation Modes: Low Delay, Talking Head and Reliable
End-to-End Latency:	User selectable, sub second, 2 seconds, up to 14 seconds
Network Protocol:	LDMP 2.0 (low delay multipath), UDP, TCP
Dimensions:	5 1/2"W x 7 5/8"D x 2 1/2"H (14cm W x 19.4cm D x 6.4cm H)
Weight:	4 lbs (1.8kg)
Power:	Standard 4-pin XLR 12-27V

Note: Specifications subject to change without notice



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